

M. A. R. 57 (Rule 116)
Measurement Book

No. D

Serial No. : 1st & Final

309708

Name of work : Allied works for Sweep from Small project & other Repairs works to DWCC in W.No. 11
Name of Contractor of nature of Agency : M/s Venkateshwara Constructions. K. Lokarajulu.
Date of commencement of work :

Date	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Name of Work :	Work: - Allied works for DWCC centre in ward No. 11.						
Work order No.:	EE-3/SWM/WO/17/2020-21						
Agreement No.:	EE-3/SWM/AG/19/2020-21						
Job code No.:	011-21-000001						
Name of Agency:	M/s. Venkateshwara Constructions. K. Lokarajulu.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No. ①	Pre-Measurements fabricating, supplying & erecting M.S. angular Irons of span up to 10m The bottom & Top members are provided with 50x50x6mm double equal angles for platform ISMB 200 ISMB 150x75 Channel section for staircase ISMC-150	kg Nbs	Length		kg per	Density	Quantity
		15.00	05.00	25.4.00	14.9		1524.00
		3	12.65		14.9		565.46
		9	4.10		14.9		549.81
		2	4.20		16.4		137.76

M. A. R. 57 (Rule 116)
Measurement Book

No. D

309709

Serial No.

Name of work From To

Name of Contractor of nature of Agency

Date of commencement of work

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
		2	1.25		16.4	41.00 ✓
		2	1.40		16.4	45.92 ✓
	~~Angles for partition~~					
	ISA 35X35 X4mm below roof	8X4	4.10		2.66	348.99 ✓
		4X7	2.52		2.66	127.69 ✓
	ISA 35X35 X4mm above roof	8X4	4.10		2.66	348.99 ✓
		4X7	2.00		2.66	148.96 ✓

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	MS sheet 6mm thick @ 7850 kg/m ³	1	12.15	4.15	0.0060	7850	2374.90 ✓
	MS Gusset plate 320x320x12mm	24	0.32	0.32	0.012	7850	231.51 ✓
	MS sheet for steps	13	1.0	0.25	0.003	7850	76.54 ✓
	MS sheet 3mm thick	8	3.0	2.52	0.003	7850	1424.30 ✓
	MS sheet 3mm thick for Landings	2	1.05	1.2	0.003	7850	59.35 ✓
	MS square tube 50x50x4mm (0.05x4=0.2) paint	4	4.10	0.20	0.004	7850	162.99 ✓

M. A. R. 57 (Rule 116)
Measurement Book

No. D

309710

Serial No.

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	<u>Ladder</u> Vertical members - 10m dia 3m thick 7d = 71x0.1 = 0.31	3	12.40	0.20	0.004	7850	233.62
	For 2m dia member 5m dia 3m thick 7d = 71x0.1 = 0.16	2	0.31	2.8	0.003	7850	41.44
		10	0.16	0.60	0.003	7850	22.20
						Total =	8465.41 Kgs.

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ಕಾರ್ಯಾಚರಣೆ ಅಧಿಕಾರಿ
28/02/2022

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
②	Providing M.S. hand railing for balcony gauge, welded to 20mm x 20mm at 100mm at regular intervals.	1	16.10	-	0.90	14.49	hollow pipe 14 vertically, spaced
	hand rail for platform	1	16.10	-	0.90	14.49	
	for staircases	2	9.0	-	0.90	16.20	
					Total	30.69 sqm	
③	Providing and fixing proposition aluminium windows as per approved drawings with sliding shutters using three for each window	5	2.5	-	1.80	22.50	
	Windows				Total	22.50	

Item No.

M. A. R. 57 (Rule 116)
Measurement Book

No. D

309711

Serial No.

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
4	providing 8 firing 6mm clear/opal multi wall poly carbonate sheet for windows - for windows providing 2 lagged scaffolding for stone masonry work using 10-15 cms dia best quality casing poles of 4m, overall length 13m + 0.5 m for north & south side East west side for windows filthy work side	5 2 1	2.50 15.00 9.00	- 1.80	22.50 22.50 180.00 180.00 54.00	89m. <i>Handwritten signature</i> total structure. The work including

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
<u>Staircase</u> <u>6</u>	<u>Pro</u> providing & laying in position plain cement concrete with down & down size graded granite material concrete Entrance Ramp Unit cum	1	15.00	0.90	0.25	3.38	Total 414.00 8 cm concrete 1:2:4 with granite material concrete
<u>Staircase</u> <u>7</u>	solid panel pvc door shutter rigid foam panelled door shutters 4500mm x 19mm for styles and 15x15mm for bottom rails					Total 3.38 cum	

M. A. R. 57 (Rule 116)
Measurement Book

No. D

Serial No.

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Depth	Contents	Reference to last Measurement
		Number	Length	Breadth			
1	2	3	4	5	6	7	8
	PVC Door	2	0.75	-	2.1	3.15	
					total	3.15 sqm	
	providing & applying painting two coats (excluding binding coat) on new wood surface and						
	door	2.25 x 1	0.9	-	2.1	4.25	
	Windows	2.25 x 2	1.2	-	1.2	6.48	
					total	10.73	
							sqm

Heavily (18) providing & applying painting two coats (excluding binding coat) on new wood surface and

sqm

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No (9)	providing & fixing white vitreous pattern of size 580x440 mm with unit Each	2	-	-	-	2.00 <u>2.00</u> Total = 2.00	Each
Item No (10)	Providing and fixing 7.5 cm to 15.00 cm dia NP grating 1000x1500 mm	Each	-	-	-	2.00 <u>2.00</u> 2.00	Each
Item No (11)	providing and fixing to wall, ceiling and floor waterproofed PVC 6.00x12.00 mm corners per metre with pipe fittings, wall clips etc.	pipe	fittings	1	wall clips	etc.	1

M. A. R. 57 (Rule 116)
Measurement Book

No. D

Serial No.

309713

Name of work From To

Name of Contractor of nature of Agency

Date of commencement of work

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	160mm dia pipe for sanitary line	1	5.00	-	-	5.00
	Unit	Unit		Total		5.00
	providing & fixing chlorinated poly vinyl (CPVC) pipes conforming to IS St. 15778, having thermal stability for hot & cold water supply					
	150mm dia pipe for water line	1	20.00	-	-	20.00
				Total		20.00
						End

New No. (12)

Rest amount

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Stew x10 (13)	providing & fixing in position brass as per normal bore including unit	Each					
	taps	3	-	-	-	3.00	
						3.00	Each/No
Stew x10 (14)	providing & finishing external walls in two coats with water proof cement paint of approved brand shade in unit sqm	2	16.00			275.20	
	inside shelter N/S wall	2	10.90			8.60	
	E/W wall					187.48	

M. A. R. 57 (Rule 116)
Measurement Book

No. D

Serial No.

309714

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	deduct windows	-5	2.5		1.80	-22.50
					total	440.18
						89m
	Providing and finishing external walls in two coats over Bluecoat primer with anti-fungal paint of approved brand & shade to give an even shade	unit				
		sqm				
	N/S wall	2	16	-	2.40	76.80
	E/W wall	2	10.90	-	2.40	52.32

15

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	For Extra Work Pillar Caudu	-1	10.9	-	2.40	-26.16	
		1	2.4	-	2.4	5.76	
		1	5.94	-	2.4	24.256	
				Total		122.96	sqm


 2/11/2023
 2/11/2023
 2/11/2023

No. D

309715

Name of work From To

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	① - fabricating, Supplying 8 erecting N.S. angular Truss of span upto 10m. The bottom 8 top members is provided with 50 x 50 x 6mm double equal angles, welded back and in between tops bottom line, in areas of web section is provided with 50 x 50 x 6mm equal single angle for vertical and inclined members and at supporting ends 40 x 40 x 5mm single angle is provided. All the members are welded together with 6mm gusset plate as per drawing No. CAS/CO/K - Montap / 9 / MND / 97. The entire truss is anchored in Rec column by using 4 Nos. of M.S anchor bolts at each support, with and shoe plates the work includes cutting, straightening & placing in position						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Q M.S. angle and welding oxide primer coat to labour charges, & hire grinding & erection equipment, etc; applying one coat of red all materials, for cutting, welding (as per specification).						
	Qty recorded as per page - Measurements in this MB page No. 309709 to 309710						
	Qty = 8465.41 Kgs @ Rate = 138.24						Amount = 1,170,258.93 Rs
Item No. (2)	Providing & fixing M.S. hand railing for balcony with 50 mm dia. M.S. hollow pipe of 14 gauge, welded to 20mm x 20mm M.S. Squarered. Placed vertically spaced at 100mm at regular intervals of 600mm. These vertical rods						

Unit: Kgs

M. A. R. 57 (Rule 116)
Measurement Book

No. D

309716

Serial No.

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Laterally tied to 3 is fixed to concrete by using reinforcement bars and would be cut to length, welded and The work includes hire charges for wearing changes etc complete unit → sqm. 30.69 sqm @ rate = 3067.20 Amount:- 94132.37 Rs.		horizontal rods spaced at equal intervals. Then assembly expansion bolts and welding the same to good the surface. All the joints sections should be cut and grinded all water all, labour cutting and grinding equipment, & electricity specification & drawing.				
	Qty recorded as per measurements in this MB					Page No:- 309711	

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No. (3)	Providing & fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame size 92x31.75 mm bottom section 1.3mm thick and top sections 1.3mm thick comprising top & bottom section of size 40mm x 18mm, wall thickness 1.25mm weight 0.417 Kg/m shutter side outer 40mm x 18mm, wall thickness 1.25mm weight 0.417 Kg/m, shutter indoor section 40mm x 26.7mm wall thickness 1.1mm weight 0.417 Kg/m, the shutters moulded on nylon rollers with approved thick, weight 0.469 Kg/m, the shutters quality of features such as aluminium handles tinned with rubber bolts etc; providing & fixing 5.5mm thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints reinforced subdividing the frame tenoned & rivetted in the assembled frame, stiffened with end clips for corners, angles etc. and fixed to the walls, lintels, floor beams						

M. A. R. 57 (Rule 116)
Measurement Book

No. D

309717

Serial No.

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Number	Dimensions			Contents	Reference to last Measurement
			Length	Breadth	Depth		
1	Cells as the case may be with necessary steel screws, steel plugs or steel wood gaskets including cutting masonry or concrete & making good the original surface using cement mortar.	3	4	5	6	7	8
	using alumina section powdered pure polyta grade powder of 60-70 microns with exterior durable putty						
	<u>Unit</u> - ~~sqm~~ Qty recorded as per measurement inters MB page No. 309710						
	Qty - 22.50 sqm	2					
	rate - 4829.76						
	Amount - 108669.60						
4	Providing and fixing Gm clear / opa white / solar bronze / blue / green tinted multi wall polycarbonate sheet for tubular structure. The work including casting all materials, labour charges & material charges of machinery for cutting, welding						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	graveling & erection equipments, complete as per specifications. <u>work</u> - 89m Qty vide ~~measurements~~ recorded in this MB page no. <u>309711</u> Qty = 22.50 89m @ Rate = 3376.08 Amount:- 75961.80 providing 2 legged scaffolding for stone masonry work using 10-15cm dia best quality caswina poles 94m overall length 3m + 0.5m projection 105 in the ground, the distance between two rows being 1.25m & spacing of posts being 2m in both rows with 2 horizontal posts with 0.5m overlap on either side & braces at 2m c/c including longitudinal & transverse middle braces to step up & providing flat form with caswina poles, forms tied up using coil rope complete as per specifications. unit - 89m Qty vide ~~measurements~~ recorded in this MB page no. 309711-712 Qty = 414 @ Rate = 141.60 Amount = 58622.40						

Item No.

(5)

No. D

309718

309718

From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement	
		Number	Length	Breadth			
1	2	3	4	5	6	7	8
16/10/20	providing & laying in position plain cement concrete of mix 1:2:4 with cement @ 440 kgs with down & down size graded granite material coarse aggregates @ 0.69 cum & fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth & cells including all materials, labour, transport & machinery, carrying complete as per specification						
	<u>unit - cum</u>						
	Qty vide Pre-Measurements recorded in this MB					page no - 305712	
	Qty = 3.38 cum @ rate 5855.76					Amount =	19763.19 -

MEASUREMENT BOOK

Date	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
Item No. (7)	Solid panel PVC Door shutters providing & fixing 30mm thick factory made rigid foam panelled Door shutters made from M.S. tube of 19 gauge thickness, size 19x19 mm for styles and 15x15 mm for top & bottom rails, covered with heat moulded PVC channels of 5mm thick sheet & 30 x 50 mm wide to form styles & 5mm thick & 75mm wide PVC sheets for top rail lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail frame, sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc. (as per manufacturer's specification & direction of Engineer in-charge fixed to frame with 3nos of 75mm aluminium hinges. Unit = Sqm						

M. A. R. 57 (Rule 116)
Measurement Book

No. D

309719

Serial No.

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth	Depth	
1	2	3	4	5	6	7
	Qty vide pre-measurements recorded in this MB					page No: 309712
⑦ Item No.	Qty = 3.15 @	Rate = 2999.16	Amount = 9447.35 Rs.			
⑧ Item No.	providing & applying painting based surface and for wood cleaning the surface of all dist. -ing cost & materials, labour, complete as per specifications.	two coats (excluding priming)	surface with enamel paint to give an even shade, sand papering included			
	Unit = Sqm					

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide Pre-measurements		recorded in this MB	page No:-	309712		
	Qty = 10.73 sqm	@ Rate = 104.76	Amount =	1124.34 Rs.			
	providing fixing white vitreous china clay, water closet orissa pattern of size 550x440mm with integral type footrests, 100mm S or P trap, 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings C.I./M.S brackets, 32mm dia flush pipe fittings and clamps, overflow arrangements with special 5 down mosquito proof coupling of approved design, parts of fittings & brackets, cutting & making good the work & floor wherever required, including cost of materials, labour complete as per specifications.						
	Unit - Each						
	Qty vide pre-measurements		recorded in this MB	page No:-	309713		

Items
9.

M. A. R. 57 (Rule 116)
Measurement Book

No. D

Serial No.

309720

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty = 2.00 @ Rate = 4561.92					Amount = 9123.84 Rs.	
Item No. (10)	Providing & fixing f.s.cms to 15.00cms dia					NP gkating 100mm dia.	
	Unit = <u>Each</u>					MRD page No. 309 #13	
	Qty vide ~~Pre-measurement~~ recorded in this						
	Qty = 2.0 @ Rate = 162					Amount = 324.00 Rs.	
Item No. (11)	Providing & fixing to wall, ceiling and floor lampplasticised PVC 6.00kg/sqm -						
	Working pressure with pipe fittings, wall clips etc. and making good the wall, ceiling and floor for						
	Sanitary pipelines including testing all materials, labour						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Changes, tton of equipments & Testing complete as per specifications - <u>16mudi</u> * Unit = <u>Rmt</u> Qty vide pre-measurements recorded in this MRB page no. - 309713 Qty = 5.0 Rmt @ 321.24 Amount = 4606.20 Rs Providing and fixing Chlorinated poly Vinyl Chloride (CPVC) pipes confirming to IS 15778, having thermal stability for hot & cold water supply including all CPVC plain & brass threaded fittings including fixing the pipe with clamp as 1.0m spacing. This includes joining of pipes and fittings with one-step CPVC solvent cement & the cost of cutting & making good the same including testing & joints complete. Concealed work including cuttings & good the walls etc) - <u>25mudi</u> . <u>OD pipes</u> unit = Rmt = m. Qty vide pre-measurements recorded in this MRB page no. 309713						

Item no

~~(12)~~ (12)

M. A. R. 57 (Rule 116)
Measurement Book

No. D

309721

Serial No.

Name of work From To

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty = 20.00 Rmt @	Rate	316.44	Amount	Rs = 6328.80		
Item No. (13)	providing & fixing in position brass bolt lock & approved quality 25mm nominal bore including cost of all materials, labour & fitting of equipments with all leads complete as per specifications.	Qty	vide measurements	recorded in this page No.			
	Unit = each	Qty	254.88	Amount	Rs = 764.64		
Item No. (14)	providing and finishing external walls in two coats with water proof cement paint of approved brand & shade to give a						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	brooming the surface to remove all dirt & loose powdered material free from mortar drops & other foreign matter (cost of materials, labour, <u>unit</u> - 8qm Qty vide pre-measurements Recorded in this MB page No. 309714 Qty = 440.18 8qm @ Rate: 117.72 Amount = 51817.99 providing and finishing external walls in two coats over one coat of primer with Antifungal painting approved brand & shade to give an even shade After thoroughly brooming the surface to remove all dirt & loose powdered material free from mortar drops & other foreign matter (cost of materials, labour, couple as per specification, <u>unit</u> = 8qm						

Item No.

(15)

M. A. R. 57 (Rule 116)
Measurement Book

No. D

Serial No.

Name of work From To

Name of Contractor of nature of Agency

Date of commencement of work

Date	Full description, etc, of work	Dimensions			Depth	Contents	Reference to last Measurement
		Number	Length	Breadth			
1	2	3	4	5	6	7	8
	Qty vide pre-measurements Recorded in this				MR	page no.	309714 to 309715
	Qty = 122.96 sqm				Amount =	23905.42	
					Subtotal:-	16,34,848.87	
					Add GST 12%	1,96,181.86	
					Grand Total	18,31,030.73 Rs.	
	<u>Certificate</u> 1. Certified that the contractor has done the work satisfactorily 2. Certified that the debris has been removed from the site						

Signature
12/12/2012

MEASUREMENT BOOK

Date	Full description, etc. of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	3. Certified that No dues from the contractor 4. Certified that the above item is not claimed in any other bill.						


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 ಭವ್ಯಾಚಾರ್ಯ ನಿರ್ದೇಶಕರಿಗೆ
 ಬೃಹತ್ ಸಂಸ್ಥೆಯ ಮಹಾಸಚಿವರ ಮೂಲಕ

No. D

Name of work From To

Name of Contractor of nature of Agency.....

Date	Full description, etc., of work	Dimensions			Contents	Reference to last Measurement
		Number	Length	Breadth		
1	2	3	4	5	6	7
						8

5% FSD - 60053			
1% IT - 12010			
1% CGST - 12010			
1% SGST - 12010			
1% cess - 12010			
0.1% CST - 1201			
Royalty 500			
109794 = 00			
Bill Passed for Rs. 1831030			
in words 1097194			
Deduction / Adjustments Rs. 1721236 = 0			
in words 1721236			
Net Amount 1658906			
Signature of Executive Engineer			
Signature of Palkke			
Signature of Palkke			